

ORDER FOR SUPPLIES OR SERVICES										PAGE 1 OF 11	
1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. W911XK-04-P-0118			2. DELIVERY ORDER/ CALL NO. W911XK		3. DATE OF ORDER/CALL (YYYYMMDD) 2004 Sep 30		4. REQ./ PURCH. REQUEST NO. W56MES-4231-2487		5. PRIORITY		
6. ISSUED BY CONTRACTING DIVISION DETROIT DISTRICT, USAED P.O. BOX 1027 DETROIT MI 48231-1027			7. ADMINISTERED BY (if other than 6) SEE ITEM 6		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other)						
9. CONTRACTOR ALSTROM CONSTRUCTION INC 1021 EAST AIRPORT ROAD MUSKEGON MI 49441			FACILITY OSXB8		10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) SEE SCHEDULE		11. MARK IF BUSINESS IS <input checked="" type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED				
12. DISCOUNT TERMS			13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15								
14. SHIP TO GRAND HAVEN AREA OFFICE 307 SOUTH HARBOR STREET GRAND HAVEN MI 49417			15. PAYMENT WILL BE MADE BY U S ARMY CORPS OF ENGINEERS FINANCE AND 5700 WASP AVENUE MILLINGTON TN 38054		MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.						
16. TYPE OF ORDER		DELIVERY/ CALL		This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.							
PURCHASE		<input checked="" type="checkbox"/>		Reference your quote dated 2004 Sep 24 Furnish the following on terms specified herein. REF:							
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED. SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.											
NAME OF CONTRACTOR				SIGNATURE				TYPED NAME AND TITLE		DATE SIGNED (YYYYMMDD)	
<input type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:											
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE See Schedule											
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES			20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT	22. UNIT PRICE		23. AMOUNT	
		SEE SCHEDULE									
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.				24. UNITED STATES OF AMERICA TEL: 313 226-5148 EMAIL: W BY: Wanda Carter-Davis@lre02.usace.army.mil				25. TOTAL \$3,994.00		26. DIFFERENCES	
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED											
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE				
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE					28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS		
f. TELEPHONE NUMBER		g. E-MAIL ADDRESS			<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR		
36. I certify this account is correct and proper for payment.					31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		34. CHECK NUMBER				
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER					35. BILL OF LADING NO.				
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.	

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	Replace Main Entrance at GHAO in FFP accordance with attached Scope of Work (SOW). (Does not include 2.4.3 Sidelite imprint of SOW). PURCHASE REQUEST NUMBER: W56MES-4231-2487	1	Lump Sum	\$3,994.00	\$3,994.00
NET AMT					\$3,994.00
ACRN AA Funded Amount					\$3,994.00

FOB: Destination

SOW

Scope of Work

GRAND HAVEN AREA OFFICE

LOWER ENTRY DOOR AND SIDELITE REPLACEMENT

PART 1 GENERAL

The contractor shall replace the lower entry door including frame and sidelight. The approximate dimensions of the frame is 71.5" W x 84.5" H. Precise measurements shall be field measured. The new hardware shall consist of a top and bottom pivot set, door closing device, panic bar w/pull and key entry, threshold and sweep and stainless steel kick plates. The existing electric strike can be reinstalled in the frame or there may be a better and more secure way to add a new electric strike when the door/frame is manufactured.

1.1 SECTION INCLUDES

- 1.1.1 Aluminum door, sidelight, transom and frame.
- 1.1.2 Perimeter sealant.
- 1.1.3 Weather-stripping and sill sweep strips.

1.5 REFERENCES

- 1.5.1 AAMA- Metal Curtain Wall, Window, Storefront and Entrance-Guide Specifications Manual.
- 1.5.2 AAMA- Curtain Wall Manual #10- Care and Handling of Architectural Aluminum From Shop Site.
- 1.5.3 AAMA 603.8- Performance Requirements and Test Procedures for Pigmented Organic Coatings on Extruded Aluminum.

- 1.5.4 AAMA 605.2- Specification for High Performance organic Coatings on Architectural Extrusions and Panels.
- 1.5.5 AAMA SFM-1- Aluminum Storefront and Entrance Manual.
- 1.5.6 ANSI A117.1- Safety Standards for the Handicapped.
- 1.5.7 ANSI/ASTM A36- Structural Steel.
- 1.5.8 ANSI/ASTM A386- Zinc Coating (Hot Dip) on Assembled Steel Products.
- 1.5.9 ANSI/ASTM B209- Aluminum and Aluminum-Alloy Sheet and Plate.
- 1.5.10 ANSI/ASTM B221- Aluminum-Alloy Extruded Bar, Rod, Wire, Shape and Tube.
- 1.5.11 ANSI/ASTM E283- Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors.
- 1.5.12 ANSI/ASTM E330- Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference.
- 1.5.13 ANSI/ASTM E331- Test Method for Water Penetration of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference.
- 1.5.14 SSPC- Steel Structures Painting Council.

1.6 SYSTEM DESCRIPTION

- 1.6.1 Aluminum entrances and storefront includes shop-fabricated, factory finished, tubular aluminum sections, door w/window and sidelight glass, hardware, weather-stripping, sill sweep, flashing, anchorage and attachment devices

1.7 PERFORMANCE REQUIREMENTS

- 1.7.1 Design and size components to withstand dead and live loads caused by positive and negative wind pressure acting normal to plane of wall as calculated in accordance with local code to a design pressure of 1.5kPa as measured in accordance with ANSI/ASTM E330.
- 1.7.2 Limit mullion deflection to flexure limit of glass with full recovery of glazing materials.
- 1.7.3 System to accommodate, without damage to components or deterioration of seals, movement within system, movement between system and peripheral construction, dynamic loading and release of loads, deflection of structural support framing.
- 1.7.4 Limit air leakage through assembly to 22.8 cu m min/m²/sq.m of wall area, measured at a reference differential pressure across assembly of 75.17Pa as measured in accordance with AAMA 501.
- 1.7.5 Vapor Seal with Interior Atmospheric Pressure of 25 mm sp, 22 degrees C, 40 Percent RH: No failure.
- 1.7.6 Maintain continuous air and vapor barrier throughout assembly, primarily in line with inside pane of glass and heel bead of glazing compound.
- 1.7.7 System to provide for expansion and contraction within system components caused by a cycling temperature range of 170 degrees over a 12-hour period without causing detrimental affect to system components.
- 1.7.8 Drain water entering joints, condensation occurring in glazing channels, or migrating moisture occurring within system, to the exterior by a weep drainage network.

1.8 SUBMITTALS:

SD-01 Data

Aluminum Entrances; FIO

Manufacturers certification that Products meet or exceed specified requirements.

Hardware; GA

Contractor will submit proposed hardware for government approval.

SD-14 Samples

Aluminum Entrances; FIO

Submit two samples of each color finish system 100X100mm illustrating materials, thickness, factory-finished aluminum surfaces, glass units and glazing materials. The color shall match close to the existing brown or bronze.

1.9 QUALITY ASSURANCE

1.9.1 Perform Work in accordance with AAMA-SFM-1 and AAMA- Metal Curtain Wall, Window, Store Front and Entrance- Guide Specifications Manual.

1.9.2 Conform to requirements of ANSI A117.1

1.10 QUALIFICATIONS

1.10.1 Manufacturer and Installer: Company specializing in manufacturing aluminum glazing systems with minimum six years documented experience.

1.11 PRE-INSTALLATION MEETING

1.11.1 Convene prior to commencing work of this section

1.12 DELIVERY, STORAGE AND HANDLING

1.12.1 Deliver aluminum entrance and storefront components in the manufacturer's original protective packaging.

1.12.2 Store aluminum components in a clean dry location away from uncured masonry or concrete. Cover components with waterproof paper, tarpaulin or polyethylene sheeting in a manner to permit circulation of air.

1.12.3 Protect factory-finished aluminum surfaces with wrapping strippable coating. Do not use adhesive papers or sprayed coatings that bond when exposed to sunlight or weather.

1.13 ENVIRONMENT REQUIREMENTS

1.13.1 Do not install sealants when ambient temperature is less than 4.44 degrees C during and 48 hours after installation.

1.14 FIELD MEASUREMENTS

1.14.1 Field measurements shall be taken to insure proper fit.

1.15 WARRANTY

- 1.15.1 Provide three-year warranty to include coverage for complete system for failure in meeting specified requirements.

PART 2 PRODUCTS

- 2.1 MANUFACTURERS... These are furnished to indicate quality. Other manufacturers furnishing similar quality products are acceptable.

- 2.1.1 Kawneer Company
- 2.1.2 United States Aluminum Corp.
- 2.1.3 Vistawall Architectural Products

2.2 MATERIALS

- 2.2.1 Extruded Aluminum: ANSI/ASTM B221; 6063 alloys, T5 temper.
- 2.2.2 Sheet Aluminum: ANSI/ASTM B209 alloy, temper.
- 2.2.3 Steel Sections: ANSI/ASTM A36 shaped to suit mullion sections.
- 2.2.4 Fasteners: Stainless Steel
- 2.2.5 Shop and Touch-Up Primer for Steel Components: SSPC 15, Type 1, red oxide.

2.3 COMPONENTS

- 2.3.1 Frame: Dimensions shall be field measured and per manufacturer to meet performance requirements; thermally broken with interior tubular section insulated from exterior; flush glazing stops; drainage holes; internal weep drainage system.
- 2.3.2 Mullion: Dimensions shall be field measured and per manufacturer to meet performance requirements; profile of extruded aluminum with internal reinforcement of shaped steel structural section shall be used as necessary to meet performance requirements.
- 2.3.3 Door: 44.45mm thick, 101.6mm wide top rail, 101.6mm wide vertical stiles, 400mm wide bottom rail; square glazing stops; insulated door window.
- 2.3.4 Flashings: Finished to match mullion sections where exposed.
- 2.3.5 Fire rated door assemblies shall bear the listing identification label of nationally recognized testing laboratory qualified to perform tests of fire door assemblies in accordance with NFPA and having a listing for the tested assemblies.

2.4 GLASS AND GLAZING MATERIALS

- 2.4.1 Insulating glass shall be class A preassembled units of dual-seal construction consisting of lites of glass separated by an aluminum, steel, or stainless steel, spacer and dehydrated space conforming to ASTM E 773 and ASTM E 774. Spacer shall be roll-formed, with bent or tightly welded or keyed and sealed joints to completely seal the spacer periphery and eliminate moisture and hydrocarbon vapor transmission into airspace through the corners. Primary seal shall be compressed polyisobutylene and the secondary seal shall be a specially formulated silicone. **Glass type shall be Low-E Insulating glass**, Type I annealed flat glass, Class 1-clear with anti-reflective low-emissive coating on No. 2 surface (inside surface of exterior pane), Quality q3-glazing select, conforming to ASTM C 1036. Glass performance shall be 2.5 R-Value/Winter Nighttime, shading coefficient. Color shall be clear.

- 2.4.2 Glazing shall be performed per manufacture's recommendations.
- 2.4.3 Sidelight: Provide a separate price to have Corps castle imprinted or sandblasted in the sidelight glass.

2.5 SEALANT MATERIALS

- 2.5.1 Sealant and Backing Materials: As per manufacturers recommendations.

2.6 HARDWARE

- 2.6.1 Hardware consists of a top and bottom pivot set, door closing device, panic bar w/pull and key entry and threshold.
- 2.6.2 Weather-stripping: Wool pile, continuous and replaceable.
- 2.6.3 Sill Sweep Strips: Retracting resilient seal type, of neoprene compound.
- 2.6.4 Stainless Steel Kick Plate
- 2.6.5 The lock shall be keyed to match existing lock system.

2.7 FABRICATION

- 2.7.1 Fabricate components with minimum clearances and shim spacing around perimeter of assembly, yet enabling installation and dynamic movement of perimeter seal.
- 2.7.2 Accurately fit and secure joints and corners. Make joints flush, hairline, and weatherproof.
- 2.7.3 Prepare components to receive anchor devices. Fabricate anchors.
- 2.7.4 Arrange fasteners and attachments to conceal from view.
- 2.7.5 Prepare components with internal reinforcement for door hardware and door operator hinge hardware.

2.8 FINISHES

- 2.8.1 Finish for exterior aluminum entrances and storefronts shall conform to AAMA 605.2 on all exposed aluminum surfaces, having minimum .03mm of dry film thickness.
- 2.8.2 Finish for interior aluminum entrances and storefronts shall conform to AAMA 603.8 on all exposed aluminum surfaces.
- 2.8.3 Concealed Steel Items: Galvanized in accordance with ANSI/ASTM A386 to 610g/sq.m – primed with iron oxide paint.
- 2.8.4 Apply one coat of bituminous paint to concealed aluminum and steel surfaces in contact with cementitious or dissimilar materials.

PART 3 EXECUTION

3.1 EXAMINATION

- 3.1.1 Verify dimensions, tolerances and method of attachment with other work.
- 3.1.2 Verify that wall openings and adjoining air and vapor seal materials are ready to receive work of this Section.

3.2 INSTALLATION

- 3.2.1 Install wall system in accordance with manufacturer's instructions.
- 3.2.2 Attach to structure to permit sufficient adjustment to accommodate construction tolerances and other irregularities.
- 3.2.3 Provide alignment attachments and shims to permanently fasten system to building structure.
- 3.2.4 Align assembly plumb and level, free of warp or twist. Maintain assembly dimensional tolerances, aligning with adjacent work.
- 3.2.5 Provide thermal isolation where components penetrate or disrupt building insulation.
- 3.2.6 Install sill flashings.
- 3.2.7 Pack fibrous insulation in shim spaces at perimeter of assembly to maintain continuity of thermal barrier.
- 3.2.8 Set thresholds in bed of mastic and secure.
- 3.2.9 Install hardware using templates provided.
- 3.2.10 Install glass in accordance with manufacturers recommendations.
- 3.2.11 Install perimeter sealant to method required to achieve performance criteria, backing materials and installation criteria in accordance with manufacturers recommendations.

3.3 TOLERANCES

- 3.3.1 Maximum Variation from Plumb: 1.52mm every 900mm non-cumulative or 1.59mm per 3000mm, whichever is less.
- 3.3.2 Maximum Misalignment of Two Adjoining Members Abutting in Plane: 0.8mm

3.4 ADJUSTING

- 3.4.1 Adjust operating hardware for smooth operation.

3.5 CLEANING

- 3.5.1 Remove protective material from factory-finish aluminum surfaces.
- 3.5.2 Wash down surface with a solution of mild detergent in warm water, applied with soft, clean wiping cloths. Take care to remove dirt from corners. Wipe surfaces clean.
- 3.5.3 Remove excess sealant by method acceptable to sealant manufacturer so as not to damage finish.

3.6 PROTECTION OF FINISHED WORK

- 3.6.1 Protect finished Work from damage.

Section E - Inspection and Acceptance

CLAUSES INCORPORATED BY REFERENCE

52.246-15	Certificate of Conformance	APR 1984
252.246-7000	Material Inspection And Receiving Report	MAR 2003

Section F - Deliveries or Performance

CLAUSES INCORPORATED BY REFERENCE

52.242-15	Stop-Work Order	AUG 1989
52.242-17	Government Delay Of Work	APR 1984
52.247-34	F.O.B. Destination	NOV 1991

Section H - Special Contract Requirements

CLAUSES INCORPORATED BY FULL TEXT

Security Contract Language for all Corps of Engineers' Unclassified Contracts (PIL 2003-06, 19 Feb 03)

All Contractor employees (U.S. citizens and Non- U.S. citizens) working under this contract (*to include grants, cooperative agreements and task orders*) who require access to Automated Information Systems (AIS), (stand alone computers, network computers/systems, e-mail) shall, at a minimum, be designated into an ADP-III position (non-sensitive) in accordance with DoD 5220-22-R, Industrial Security Regulation. The investigative requirements for an ADP-III position are a favorable National Agency Check (NAC), SF-85P, Public Trust Position. The contractor shall have each applicable employee complete a SF-85P and submit to the [USAED, DETROIT](#) Security Officer within three (3) working days after award of any contract or task order, and shall be submitted prior to the individual being permitted access to an AIS. Contractors that have a commercial or government entity (CAGE) Code and Facility Security Clearance through the Defense Security Service shall process the NACs and forward visit requests/results of NAC to the [USAED, DETROIT](#) Security Officer. For those contractors that do not have a CAGE Code or Facility Security Clearance, the [USAED, DETROIT](#) Security Office will process the investigation in coordination with the Contractor and contract employees.

In accordance with Engineering Regulation, ER 380-1-18, Section 4, foreign nationals who work on Corps of Engineers' contracts or task orders shall be approved by the HQUSACE Foreign Disclosure Officer or higher before beginning work on the contract/task order. This regulation includes subcontractor employees. (NOTE: exceptions to the above requirement include foreign nationals who perform janitorial and/or ground maintenance services.) The contractor shall submit to the Division/District Contract Office, the names of all foreign nationals proposed for performance under this contract/task order, along with documentation to verify that he/she was legally admitted into the United States and has authority to work and/or go to school in the US. Such documentation may include a US passport, Certificate of US citizenship (INS Form N-560 or N-561), Certificate of Naturalization (INS Form N-550 or N-570), foreign passport with I-551 stamp or attached INS Form I-94 indicating employment authorization, Alien Registration Receipt Card with photograph (INS Form I-151 or I-551), Temporary Resident Card (INS Form I-688), Employment Authorization Card (INS Form I-688A), Reentry Permit (INS Form I-327), Refugee Travel Document (INS Form I-571), Employment Authorization Document issued by the INS which contains a photograph (INS Form I-688B).

Classified contracts require the issuance of a DD Form 254 (Department of Defense Contract Security Classification Specification).

(End of Clause)

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

52.212-4	Contract Terms and Conditions--Commercial Items	OCT 2003
52.219-6	Notice Of Total Small Business Set-Aside	JUN 2003
52.219-6 Alt I	Notice of Total Small Business Set-Aside (Jun 2003) - Alternate I	OCT 1995
52.222-3	Convict Labor	JUN 2003
52.232-18	Availability Of Funds	APR 1984
52.243-5	Changes and Changed Conditions	APR 1984
52.246-1	Contractor Inspection Requirements	APR 1984
52.253-1	Computer Generated Forms	JAN 1991
252.204-7003	Control Of Government Personnel Work Product	APR 1992
252.212-7001 (Dev)	Contract Terms and Conditions Required to Implement Statutes or Executive Orders Applicable to Defense Acquisitions of Commercial Items (Deviation)	JUN 2004
252.219-7011	Notification to Delay Performance	JUN 1998
252.225-7001	Buy American Act And Balance Of Payments Program	APR 2003
252.232-7003	Electronic Submission of Payment Requests	JAN 2004